

### Abstract of the Disclosure

A simulation device is provided with replacing means (speed ratio determining portion and a speed determining portion) for calculating the maximum feeding speed of an operative part from an interference detecting distance and an interpolation period, and replacing the feeding speed of the operative part, which is read out by a program analyzing portion, with the maximum feeding speed; and an interpolating portion for determining interpolated points of a moving path of the operative part from the feeding speed of the operative part, which is replaced with the maximum feeding speed by the replacing means, and an interpolation period. An interference check on the operative part is made at an interpolated point determined by the interpolating portion.